

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/01/99

Date Received: 08/26/99

Project: Metro Self Monitor, PO# M62512

Date Samples Extracted: 08/30/99

Date Extracts Analyzed: 08/30/99

**RESULTS FROM THE ANALYSIS OF THE WATER SAMPLE  
FOR CHROMIUM, COPPER, NICKEL, ZINC  
USING METHOD 6010**

**Samples Processed Using Method 3005A**

Results Reported as mg/L (ppm)

<u>Sample ID</u>	<u>Chromium</u>	<u>Copper</u>	<u>Nickel</u>	<u>Zinc</u>
M62512	0.23	0.14	0.11	<0.05
Method Blank	<0.05	<0.05	<0.05	<0.05

**FRIEDMAN & BRUYA, INC.**

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**QUALITY ASSURANCE RESULTS  
FOR TOTAL METALS BY  
INDUCTIVELY COUPLED PLASMA (ICP)  
(METHOD 6010)**

Laboratory Code: 908088-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	mg/L (ppm)	0.28	0.26	7	0-20
Copper	mg/L (ppm)	0.23	0.20	14	0-20
Nickel	mg/L (ppm)	0.23	0.21	9	0-20
Zinc	mg/L (ppm)	0.05	0.06	18	0-20

Laboratory Code: 908088-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	% Recovery MS	% Recovery MSD	Acceptance Criteria	RPD
Chromium	mg/L (ppm)	5	0.28	97	94	80-120	3
Copper	mg/L (ppm)	5	0.23	94	93	80-120	1
Nickel	mg/L (ppm)	10	0.23	99	95	80-120	4
Zinc	mg/L (ppm)	5	0.05	106	97	80-120	9

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	% Recovery LCS	% Recovery LCSD	Acceptance Criteria	RPD
Chromium	mg/L (ppm)	5	104	111	80-120	7
Copper	mg/L (ppm)	5	103	118	80-120	14
Nickel	mg/L (ppm)	10	104	110	80-120	6
Zinc	mg/L (ppm)	5	101	108	80-120	7

908116

mm 8.26.99 AI,

Send Report To:

SITE NO.

PROJECT NAME

PURCHASE ORDER #

7238

meta self monitor

M 62512

SAMPLERS (signature)

### PROJECT LOCATION

3200 6<sup>th</sup> Ave S,

REMARKS

### SAMPLE DISPOSAL INFORMATION

☐ Dispose after 30 days  
☒ Return Samples  
☐ Call for Instructions

[illegible]

SIGNATURE

PRINT NAME

COMPANY

Date \_\_\_\_\_

Time

Relinquished by:

Gene R Thompson

ACW

8/24/85

12.55

Received by:

S - 26044

$F \neq B, I_n \subset$

8/26/99

184

Relinquished by:

Received by:

**FRIEDMAN & BRUYA, INC.**

**ENVIRONMENTAL CHEMISTS**

James E. Bruya, Ph.D.  
Charlene Jensen, M.S.  
Bradley T. Benson, B.S.  
Kurt Johnson, B.S.

3012 16th Avenue West  
Seattle, WA 98119-2029  
TEL: (206) 285-8282  
FAX: (206) 283-5044  
e-mail: fbi@isomedia.com

September 1, 1999

**DUPLICATE COPY**

**INVOICE #99ACU0901-2**

Accounts Payable  
Alaskan Copper Works  
628 South Hanford St.  
Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M62512: Results of testing requested  
by Gerry Thompson for material submitted on August 26, 1999.

1 water sample analyzed for  
Chromium, Copper, Nickel, and Zinc  
using Method 6010 @ \$80 per sample

\$ 80.00

Amount Due .....

\$ 80.00

PLEASE NOTE: As a convenience for our valued clients, we can accept credit cards (VISA, MasterCard or government purchasing cards) for payment on our invoices. Please contact our office if you would like to take advantage of this service.

FEDERAL TAX ID (b) (6)

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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September 1, 1999

Gerry Thompson, Project Manager  
Alaskan Copper Works  
628 South Hanford St.  
Seattle, WA 98134

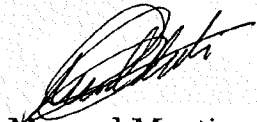
Dear Mr. Thompson:

Included are the results from the testing of material submitted on August 26, 1999 from your Metro Self Monitor, PO# M62512 project. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Manuel Marti  
Project Manager

Enclosures  
ACU0901R.DOC